

3 ~~19~~ Delete "loop" and replace with
 --physical--;

3 ~~20~~ Delete "surface" and replace with
 --spacing--;

4 ~~14~~ Delete "have" and replace with --has--;

5 ~~2~~ After "conductor" insert --insulation--;

5 ~~19~~ After "a" insert --conventional--;

5 ~~19~~ Delete "is" and replace with --of a
 certain pair is shorter--;

5 ~~20~~ Delete "less with certain pairs of
 conductors" and replace with --than for
 other pairs--;

5 ~~21~~ After "length" insert --in this pair--;

5 ~~22~~ after "in" insert --the--;

5 ~~22~~ Delete "lower" and replace with
 --increase--;

5 ~~23~~ Delete "low" and replace with --short--;

5 ~~23~~ Delete "pairs" and replace with --pair--;

5 ~~23~~ After "addition," insert --conductors
 of--;

5 ~~27~~ Delete "low" and replace with --short--;

5 ~~27~~ After "attenuation" insert --while at
 the same time lowering impedance. In
 fact, the impedance decreases rapidly
 from twisted pair to twisted pair as
 twist lay reduces. Also the attenuation
 increase caused by the closing together
 of the conductors and the longer length
 of conductors for shorter twist lays
 results in unacceptable attenuation
 values at high frequencies. This is
 exemplified as follows.--;

5 ~~35~~ After "the" insert --square roots of
 the--;

6 ~~12~~ Delete "loop surface area" and replace
 with --"physical spacing area"--;

6 ~~13~~ After "pair" insert --, that is the
 distance between the conductors taken
 along the lengths of the conductors--;

 Delete "As" and replace with --In the

example--;
Delete "loop" and replace with
--physical--;
6 ~~14~~ Delete "surface" and replace with
--spacing--;
6 ~~15~~ After "a" insert --spatial distance--;
Delete "the shortest distance";
6 ~~16~~ Delete "that is normal to their";
6 ~~17~~ Delete "direction at any point,";
After "the" insert --spatial distance--;
After "line" insert --16--;
6 ~~18~~ Delete "Thus, the loop surface area";
6 ~~19~~ Delete in its entirety;
6 ~~20~~ Delete "twisted pair of conductors in
Figure 1.";
Delete "loop surface" and replace with
--physical spacing--;
6 ~~23~~ Delete "increases" and replace with
--decreases--;
6 ~~26~~ Delete "loop surface" and replace with
--physical spacing--;
6 ~~32~~ Delete "then the length of";
6 ~~33~~ Delete in its entirety;
6 ~~34~~ Delete in its entirety;
6 ~~35~~ Delete "lay. This effects substantially
increases in capac itance" and replace
with ~~4~~ --this effects substantial
increases in capacitance--;

A 7
7 ~~8~~ After "reaches" insert --high--;
7 ~~25~~ After "conductors" insert --all of 24
AWG--;
8 ~~15~~ Delete "impedance measured" and replace
with --impedances at 1 MHz--;
8 ~~16~~ Delete "over 1 meter";
Delete "over 100" and replace with --at
100 MHz--;
8 ~~17~~ Delete "meters";
8 ~~23~~ Delete "low";
8 ~~26~~ Delete "frequency ranges" and replace
with --frequencies--;